

## BIBLIOGRAPHICAL RECORD.

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A colon after initial designates the most common given name, as: A: Augustus; B: Benjamin; C: Charles; D: David; E: Edward; F: Frederic; G: George; H: Henry; I: Isaac; J: John; K: Karl; L: Louis; M: Mark; N: Nicholas; O: Otto; P: Peter; R: Richard; S: Samuel; T: Thomas; W: William. The initials at the end of each record, or note, are those of the recorder.

Corrections of errors and notices of omissions are solicited.

**Adolph.** E. Vorläufige mittheilung über die flügel der dipteren. (Zool. anzeiger. 13 Nov. 1882, jahrg. 5, p. 609-610.)

Nature of the wings of diptera. G: D. (3101)

**Agricultural** ant of Texas (The). (Journ. applied sci., Oct. 1881, v. 12, p. 155, 21 cm.)

Notes on the habits of *pogonomyrnex barbatus*. G: D. (3102)

**Anderson, Joseph, jr.** On the emergence of butterflies. (Entomologist. Nov. 1882, v. 15, p. 260-261.)

How different butterflies behave just after leaving the pupal skin. G: D. (3103)

**Anderson, Joseph, jr.** Singular habit of *apatura iris*. (Entomologist, Aug. 1882, v. 15, p. 188.)

*A. iris*, after emerging from pupa, hangs to the pupal case with head uppermost for five or six hours, then with head downward a similar time. G: D. (3104)

**Ashmead, W: Harris.** Another chalcid friend of the orange grower. (Florida agriculturist, 13 July 1881, no. 165, v. 4, no. 9, p. 65, col. 4-5, 28 cm.)

Describes *coccophagus flavoscutellum* n. sp. parasitic on *lecanium hesporidum*. B: P. M. (3105)

**Ashmead, W: Harris.** On the cynipidous galls of Florida. Paper no. 1. (Monthly proc. entom. sect. acad. nat. sci. Philad., May 1881, p. 9-14.)

Describes *cynips* *q. virens*, *q. battatoides*, *q. sucinipis*, *q. foliata*, *q. lanigera* = 5 n. sp., from *querus virens*; note on *q. ficus*. B: P. M. (3106)

**Ashmead, W: Harris.** On the cynipidous galls of Florida. Paper no. 2. (Monthly proc. entom. sect. acad. nat. sci. Philad., June 1881, p. 15-20.)

Describes *cynips* *q. catesbeiae* from *querus catesbeiae*; *c. q. turneri* and *c. q. aquatica* from *q. aquatica*; *spathegaster* *q. laurifoliae*; *c. q. confusa* and *c. q. rugosa* from *q. laurifolia*; *c. q. cinerea* from *q. cinerea* = 7 n. sp.; and *sejus cynipidis* n. sp., parasitic on *spathegaster* *q. laurifoliae*. B: P. M. (3107)

**Ashmead, W: Harris.** On a gigantic chalcid fly inhabiting Florida. (Can. entom., May, 1881, v. 13, p. 89-90.)

Describes *smicra gigantea*, new species. G: D. (3108)

**Ashmead, W: Harris.** Injurious and beneficial insects found on the orange trees of Florida. (Can. entom., Aug. 1879, v. 11, p. 159-160.)

Describes *acarus* *gloverii*, *aphelinus aspidioticola*, *tecanium phyllococcus* and *lyphodromus oiliivorus* [sic] = 4 new species. G: D. (3109)

**Ashmead, W: Harris.** On a mite preying on the orange scale insect. (Can. entom., May 1879, v. 11, p. 93-94.)

Describes *oribates* *aspidioti* new species, which preys upon *aspidotus gloverii*. G: D. (3110)

**Ashmead, W: Harris.** On a new species of *aphis* affecting the pine. (Can. entom., April 1881, v. 13, p. 67-68.)

Describes *tachnus australi*, new species from *pinus australis*, in Florida. G: D. (3111)

**Ashmead, W: Harris.** The orange pyralid moth. *Anaglisch demisalis* Lederer. (Florida agriculturist, 6 July 1881, v. 1, p. 60, col. 2-4, 62 cm.)

Describes habitat, habits, imago and larva of *anaglisch demisalis*. *B: P. M.* (3112)

**Ashmead, W: Harris.** The plum aphid in Florida. (Pacific rural press, 2 July 1881, v. 22, p. 8, col. 4, 30 cm.)

Describes *aphis prunicola* [sic] n. sp., and mentions other *aphidæ* found on *prunus* in Florida; list of insect enemies of *aphidæ* observed; means against *aphidæ*. *B: P. M.* (3113)

**Ashmead, W: Harris.** On some new species of chalcididae from Florida. (Can. entom., June 1881, v. 13, p. 134-136.)

Describes *erytoma vagabunda*, *devotoma flava*, *d. quereti*, *d. tanaceti*, *d. phellos*, *d. foliata*, and *d. batapoides* = 7 new species. *G: D.* (3114)

**Ashmead, W: Harris.** On two new chalcid flies from Florida parasitic upon the larvae of syrphus flies. (Can. entom., Aug. 1881, v. 13, p. 170-172.)

Describes *spatangia syrphi* and *pteromalus quadrimaculata*, 2 new species of chalcidæ parasitic on the larvae of syrphidae. *A. K. D.* (3115)

**Ashmead, W: Harris.** Two new orange insects. (Florida dispatch, 7 July 1881, v. 6, no. 4, p. [1], col. 3, 27 cm.)

[From the *Florida agriculturist*. Describes *spatangia syrphi* and *s. quadrimaculata* = 2 n. sp. parasitic respectively on *syrphus pensylvanicus* and *syrphus quadrimaculata*. [In manuscript correction by author, the name of *spatangia quadrimaculata* is changed to *pteromalus quadrimaculata*.] *B: P. M.* (3116)

**Horn, G: II:** Revision of the genera and species of the tribe *hydrobini*. (Proc. Amer. philos. soc., 21 Feb. 1873, v. 13, p. 118-137.)

Rev. by *G: II: Horn*. (6th ann. rept. trustees Peabody acad. sci., for 1873, 1874, p. 93.)

Rev. by *E. C. Rye*. (Zool. rec. for 1873... *Tan Voorst*, Lond., 1875, v. 10, p. 248-249.)

Tabular separation of the genera, synoptic tables, descriptions of the genera and species of *berosus*, *chaetarthria*, *laccobius*, *philhydrus*, *hydrobius*, *limnocharis*, and *helopeltis* n. g. *S: II.* (3117)

**Le Conte, J: Lawrence.** Tabular synopsis of the *rhynchophora* of America. (Proc. Amer. philos. soc., 5 Jan. 1877, v. 16, p. 417-424.)

Tabular statement of the number of genera and species and of the geographical distribution of the families and subfamilies, with remarks. *S: II.* (3118)

**Linstow, O:** Compendium der helminthologie. Ein verzeichniss der bekannten helminthen, die frei oder in thierischen körpern leben, geordnet nach ihren wohnthieren, unter angabe der organe, in denen sie gefunden sind, und mit beifügung der literaturquellen. Hannover. *Hahn*, 1878. t-p, cover, 22+382 p., 24X15; t. 17X10. 8 M.

Contains introduction, with bibliograpay; list of animals (including 47 orthoptera, 4 neuroptera, 73 coleoptera, 10 hymenoptera, 65 lepidoptera, 7 diptera, 6 hemiptera, 3 myriapoda, and 10 arachnida) with the helminths which are found in them. Free-living helminths and literature concerning them. Index. *G: D.* (3119)

**Lintner, Joseph Albert.** Description of a new species of *endamus*. (Can. entom., April 1881, v. 13, p. 63-65.)

Describes *e. electra*, new species from Hamilton, Ontario, Canada. *G: D.* (3120)

**Lintner, Joseph Albert.** On the life duration of the heterocera, moths. (Can. entom., Nov. 1881, v. 13, p. 217-220.)

Rev. (Amer. nat., Nov. 1881, v. 15, p. 912.)

Paper read before the American association for the advancement of science, at Cincinnati, August 1881; containing notes on the longevity of heterocerous lepidoptera. *A. K. D.* (3121)

**Lockwood, S:** Mussel and insect climbers. (Amer. nat., Sept. 1881, v. 15, p. 737.)

The black mussel, *mytilus edulis*, climbs in a similar manner, with its byssus, as does the larva of *aspidisa salicicella*, with its silk. *G: D.* (3122)

**Marx, G:** On some new tube-constructing spiders. (Amer. nat., May 1881, v. 15, p. 396-400, fig. 1-8.)

Describes and figures nests of two species of spiders for which the author proposes, without describing the species, the names *tarantula* [sic] *nidifex*, ♀ figured) and *t. pikel* (♂ and ♀ figured). *G: D.* (3123)

**Mead Theodore Luqueer.** *Limenitis eros* versus var. *floridensis*. (Can. entom., April 1881, v. 13, p. 79-80.)

Criticism of H. Strecker's "On a lately described species of *limenitis*". (Can. entom., Feb. 1881, v. 13, p. 29-30) [Rec., 2733]. *G: D.* (3124)

**Meeting** of the sub-section of entomology of the American association for the advancement of science. (Can. entom., 1881, v. 13, Sept., p. 179-189; Oct., p. 214-216.)

Report of proceedings and discussions at the meeting, including address of the president, J. G. Morris, in full p. 184-189. *J. K. D.* (3125)

**Migration** of butterflies. (Amer. nat., July 1881, v. 15, p. 577.)

Notes migration of  *Pieris monuste* in South Carolina. *G: D.* (3126)

**Moffat, J:** Alston. [Calosoma scrutator.] (Can. entom., Jan. 1881, v. 13, p. 18-19.)

Large numbers of *c. scrutator* driven ashore on Lake Erie; notes on their odorous discharge. *G: D.* (3127)

**Moffat, J:** Alston. Entomological notes. (Can. entom., Aug. 1881, v. 13, p. 175.)

Note on the occurrence of *saperda jayi* in large numbers. *A. K. D.* (3128)

**Moffat, J:** Alston. [Papilio cresphontes.] (Can. entom., May 1881, v. 13, p. 115.)

Notes on larvae, pupae, and imagoes of *p. cresphontes*. *G: D.* (3129)

**Moffat, J:** Alston. Swarming of *arachippus*. (Can. entom., Feb. 1880, v. 12, p. 37.)

Assembling of *danais archippus* in great numbers near Hamilton, Ontario, Canada. *G: D.* (3130)

**Mojsisovics, August:** Leitfaden bei zoologisch-zootomischen präparirübungen für studirende. Leipzig, W. Engelmann, 1879 [Dec. 1878]. t.-p. cover, 8+232 p., 24×16, t. 18.5×11.4. 110 fig. 8 M.

Mode of dissecting animals; dissection of arthropoda [p. 183-190] especially illustrated by mode of dissection of *melolontha vulgaris*, of which the heart, male and female sexual organs, mouth-parts, and digestive system are illustrated. *G: D.* (3131)

**Morris, J:** Godlove. [Address as president of the entomological subsection of the American association for the advancement of science, at its Cincinnati (Ohio) meeting (1881).] (Can. entom., Sept. 1881, v. 13, p. 184-189.)

Obituary notice of S. S. Haldeman, and notice of the working entomologists of the United States forty years ago; number of entomological students and the extent of their writings now in the United States; notices of the entomological journals of North America and their special work; suggestions for the further advancement of our knowledge of North American insects and entomological collections. *A. K. D.* (3132)

**Moseley, H. N.** Notes on the species of *peripatus* and especially on those of Cayenne and the West Indies. (Annals and mag. nat. hist., Apr. 1879, s. 5, v. 3, p. 263.)

Gives notes on various species of *peripatus*, with especial reference to the number of pairs of legs. *R. H.* (3133)

[**Müller, Hermann.**] Häufiges auftreten von *chlorops nasuta* Schrank. (Entom. nachrichten, 1 Jan. 1881, jahrg. 7, p. 17.)

Great periodical abundance of the above species in Lippstadt, Germany. *G: D.* (3134)

**Murray, W:** [Papilio cresphontes.] (Can. entom., June 1880, v. 12, p. 120.)

Emergence of *papilio cresphontes* from pupa in January. *G: D.* (3135)

**Myers, Justus Matthew Theobolt.** Habits of *xylotrechus convergens*. (Amer. nat., Feb. 1881, v. 15, p. 151.)

Brief notes on habits of the larva of this beetle, which feeds upon red hawk *Accipiter gentilis*. *G: D.* (3136)

**Packard, Alpheus Spring, Jr.** The brain of the embryo and young locust. (Amer. nat., May 1881, v. 15, p. 372-379, pl. +5.)

Structure of the brain of young of *caloptenus spretus*, studied by sections. A continuation of author's "The brain of the locust" (*op. cit.*, April, p. 285-302, pl. 1-3) [Rec., 3138]. *G: D.* (3137)

**Packard, Alpheus Spring, Jr.** The brain of the locust. (Amer. nat., April 1881, v. 15, p. 285-302, pl. 1-3.)

Structure of the brain of *caloptenus spretus* studied by sections. Continuation by author under title, "The brain of the embryo and young locust" (*op. cit.*, May, p. 372-379, pl. 4-5) [Rec., 3137]. *G: D.* (3138)

**Packard, Alpheus Spring, Jr.** *Scolopendrella* and its position in nature. (Amer. nat., Sept. 1881, v. 15, p. 698-704, fig. 1.)

Discusses structure and affinities of *scolopendrella*, which the author decides to belong to a suborder of *thysanura*, equivalent in rank to *collembola* and *cimara*. *G: D.* (3139)

**Ragusa, Enrico.** Note su alcuni lepidotteri siciliani. (Naturalista siciliano, Nov. 1881, an. 1, no. 2, p. 36-38, pl. 3, figs. 1-3.)

Figures and describes a hermaphrodite of *rhopocera cleopatra*; notes on some other species of sicilian lepidoptera, and their aberrant forms. *G: D.* (3140)

**Ragusa, Enrico.** Un *papilio machaon* Lin. illipuziano. (Naturalista siciliano, Oct. 1881, an. 1, no. 1, p. 24, pl. 1, fig. 9.)

Describes and figures a specimen of *papilio machaon* with an alar expanse of only 42 mm. *G: D.* (3141)

**Reed, Edmund Baynes.** *Cupes capitata*. (Can. entom., Aug. 1881, v. 13, p. 176.)

Abundance of *cupes capitata* in London, Ont. *A. K. D.* (3142)

**v. Reizenstein, L.** A new moth. *Smerinthus cablei*. (Scribner's monthly [N. Y.], Oct. 1881, v. 22, p. 864-866, fig.)

Describes larva and imago (figured) of *s. cablei* n. sp., feeding on *fontinalia* in Louisiana; list of the 7 U. S. species of *smerinthus*; systematic relations of this species. *R. P. M.* (3143)

**Religious** culture of the young. The world we live in. Study 22. The animal kingdom, except man. Articulates. (Free religious index, 17 Nov. 1881, v. 13, p. 238, 29 cm.)

Questions, selected quotations, and suggestions for teaching a class about insects, crustacea, spiders and worms. *G: D.* (3144)

**Rupertsberger**, Mathias. Biologie der käfer Europas. Eine uebersicht der biologischen literatur gegeben in einem alphabetischen personen- und systematischen sach-register nebst einem larven-cataloge. Linz a. d. Donau. 1880. t.-p. cover, 12+295 p., 21.5×14, t. 18×11. Pap., 6 M.

Rev., entitled "Natural history of coleoptera." (Amer. nat., May 1881, v. 15, p. 384.)

Bibliography of the writings on the biology of the European species of coleoptera, under the names of the authors and under the names of the families, genera, and species; notes in regard to the best figures of the larvae and pupae. *A. K. D.* (3145)

**Saunders**, W: Annual address of the president of the Entomological society of Ontario. (Can. entom., Oct. 1881, v. 13, p. 197-205.)

General account of the late progress of entomology, especially in an economic direction. *A. K. D.* (3146)

**Saunders**, W: Entomology for beginners. (Can. entom., June 1881, v. 13, p. 117-119.)

Describes larva, and figures and describes imago of *alaus oculatus*; figures *lucanus dama*, of which larva and imago are described. *G. D.* (3147)

**Saunders**, W: Entomology for beginners. The legged maple borer, *aegezia acerni*, Clemens. (Can. entom., April 1881, v. 13, p. 69-70, fig. 6.)

Figures and describes larva, chrysalis, imago, and borings in wood, of *aegezia acerni*. *G. D.* (3148)

**Saunders**, W: Entomology for beginners. The red-humped apple tree caterpillar, *notodontia concinna*. (Can. entom., July 1881, v. 13, p. 138-140.)

Describes and figures mature larva, chrysalis, and imago; mode of destroying the larvae. *A. K. D.* (3149)

**Saunders**, W: Entomology for beginners. The satellite sphinx, *philampelus satellitia* Linn. (Can. entom., March 1881, v. 13, p. 41-43, fig. 4-5.)

Figures and briefly describes the larva, pupa and imago of *philampelus satellitia*. *G. D.* (3150)

**Schilde**, Johannes. Eine hornlose ranpe von *smerinthus populi*. (Entom. nachrichten, 15 March 1881, jahrg. 7, p. 100.)

Deformity of larva of *smerinthus populi*. *G. D.* (3151)

**Simmonds**, P. L. Insects as food. (Journ. of applied sci., 1881, v. 12: June, p. 82-84, 102 cm.; July p. 98-100, 134 cm.; Aug. p. 113-114, 79 cm.)

Compiled accounts of the uses of insects as food in ancient and modern times. *G. D.* (3152)

**Schönfeldt**, —. Ein monströser *prionus insularis* Motsch. (Entom. nachrichten, 15 April 1881, jahrg. 7, p. 121.) Left antenna absent. *G. D.* (3153)

**Speyer** ["Speier"], Adolph. Ein lepidopterologischer rückblick auf den sommer kes jahres 1879. (Entom. nachrichten, 1881, jahrg. 7: 15 May, p. 145-152; 1 June, p. 157-162.)

On the abundance of *vanessa cardui* and *plutia gamma* during 1879. *G. D.* (3154)

**Stein**, R: Tenthredinologische studien.

1. Die parthenogenesis von *hylocomia rosa* L. (Entom. nachrichten, 15 Oct. 1881, jahrg. 7, p. 288-294.)

Experiments on parthenogenesis of *h. rosa*; from these and other experiments the author concludes that probably "the possibility of parthenogenetic multiplication is peculiar to all or at least to most tenthredinidae." *G. D.* (3155)

**Strecker**, Herman. Description of a new species of *trochilium*. (Can. entom., July 1881, v. 13, p. 156.)

Describes *trochilium grande* n. sp., from Texas. *A. K. D.* (3156)

**Tallant**, W. N. [ *Terias nicippe*.] (Can. entom., May 1881, v. 13, p. 115.)

*Terias nicippe* rare about Columbus, Ohio, in 1879, and abundant in 1880. *G. D.* (3157)

**Todd**, James E. *Asilus* and *libellula*. (Amer. nat., Dec. 1881, v. 15, p. 1005.)

*Asilus* captures a *libellula*. *G. D.* (3158)

**Todd**, James E. Terns as fly-catchers. (Amer. nat., Dec. 1881, v. 15, p. 1005.)

*Hydrochelidon lariformis* catches and eats dragonflies. *G. D.* (3159)

**United States national museum** (Smithsonian institution). Washington, D. C. No. 4. Circular concerning the department of insects. [Wash.], 1 Jan. 1882. 1 p., 25×16.

Reprint. (Proc. U. S. nat. mus., for 1881, 1882, v. 4; App., no. 4.)

Abstract. (Psyche, Feb. [24 May] 1882, v. 3, p. 315.)

Notice, by S. F. Baird, of C. V. Riley's private collection of insects, deposited in the U. S. national museum; request for contribution of specimens to the museum. *B. P. M.* (3160)

**Weidinger**, G. Libellenschwarm. (Entom. nachrichten, 15 June 1881, jahrg. 7, p. 187-188.)

Flight of males of *libellula quadrimaculata* over Dresden, Saxony, on 28 May 1881. *G. D.* (3161)